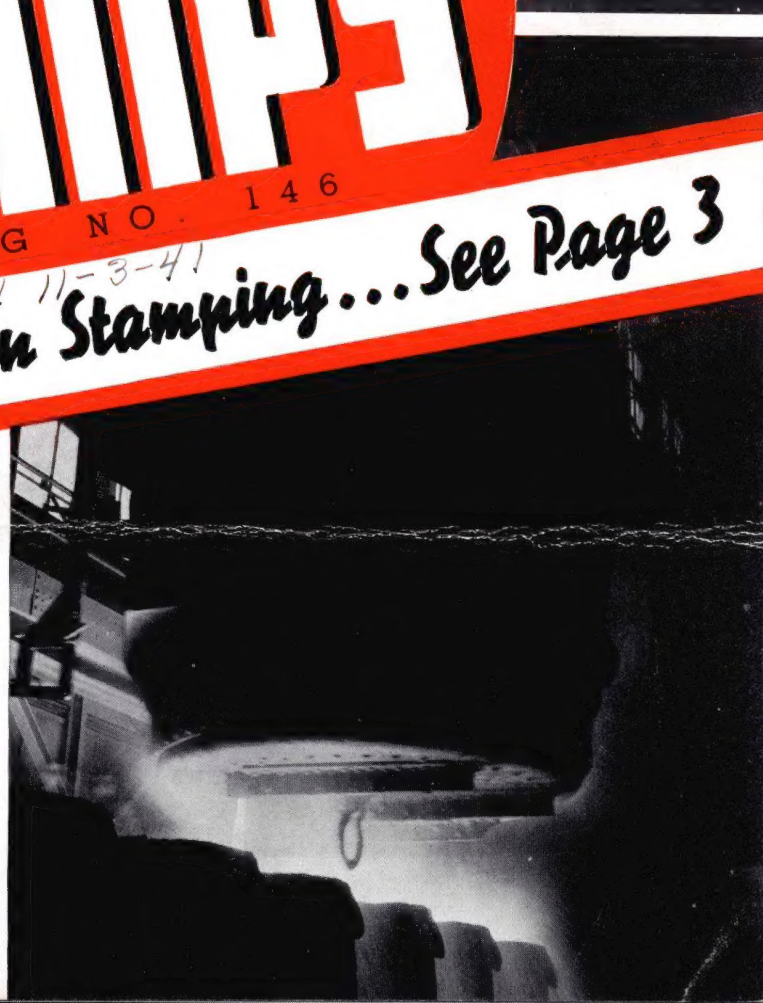
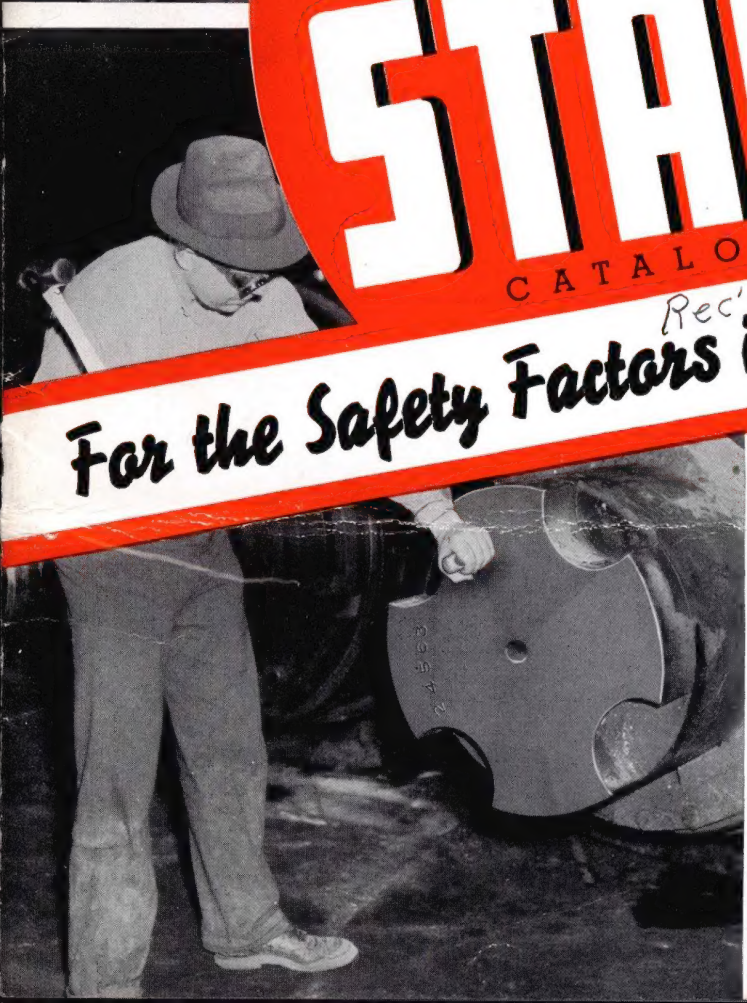




STEEL STAMPS

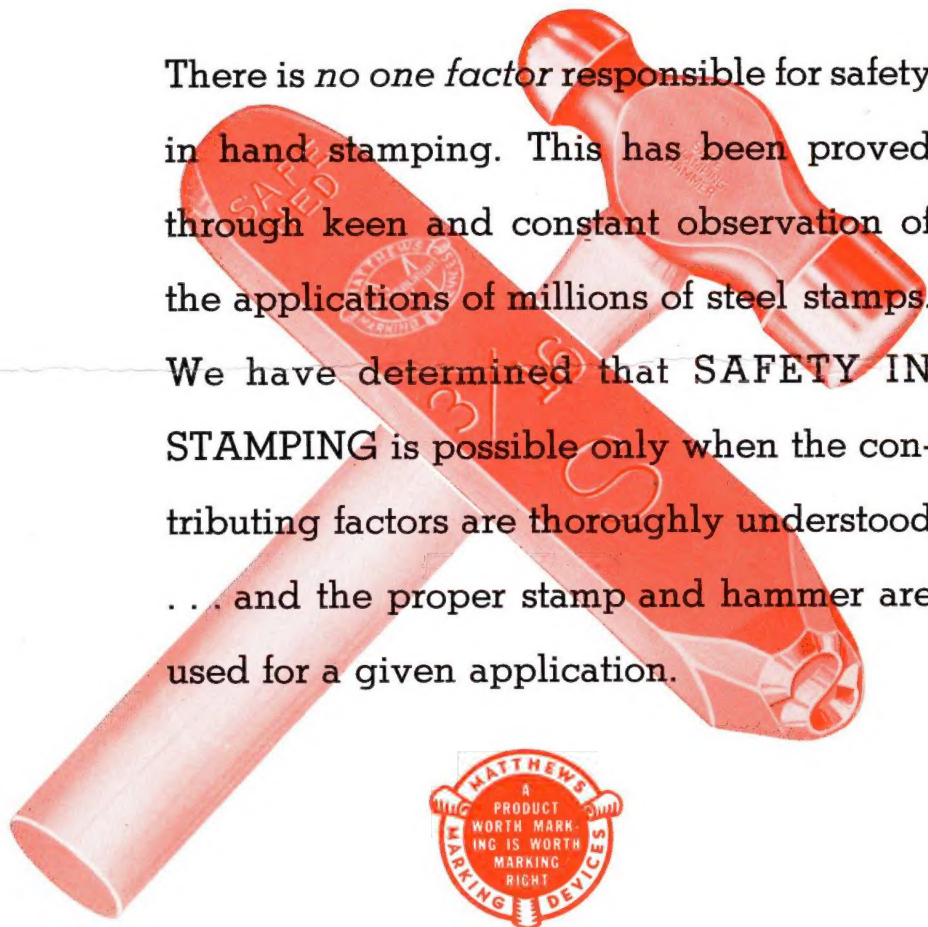
CATALOG NO. 146
Rec'd 11-3-41

For the Safety Factors in Stamping... See Page 3



Safe Stamping ... the **K**eynote of this **C**atalog

There is *no one factor* responsible for safety in hand stamping. This has been proved through keen and constant observation of the applications of millions of steel stamps. We have determined that **SAFETY IN STAMPING** is possible only when the contributing factors are thoroughly understood ... and the proper stamp and hammer are used for a given application.



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JAS. H. MATTHEWS & CO.

Main Plant and General Offices
3942 Forbes Street, Pittsburgh, Pa.

Convenient Downtown Store
Union Trust Building, Pittsburgh, Pa.

Plants in the following cities

NEW YORK, N. Y. 480 Canal Street
CHICAGO, ILL. 3729 Belmont Avenue
PHILADELPHIA, PA. 401 N. Broad Street
SYRACUSE, N. Y. 269 Erie Boulevard, West

BOSTON, MASS. 470 Atlantic Avenue
DETROIT, MICH. 4461 W. Jefferson Drive
NEWARK, N.J. 577 McCarter Highway

District Sales Offices

HARTFORD, CONN. 18 Townley Street

CLEVELAND, O. 24148 Center Ridge Road
BIRMINGHAM, ALA. 408 N. Twenty-third Street

YOUR MEN SHOULD KNOW

the Relative Factors of Safe Stamping

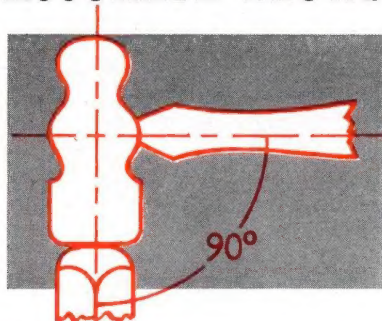
1 ACCURACY OF BLOWS

2 PROPER STAMPING TOOLS

NO ONE FACTOR IS RESPONSIBLE FOR SAFETY IN STAMPING

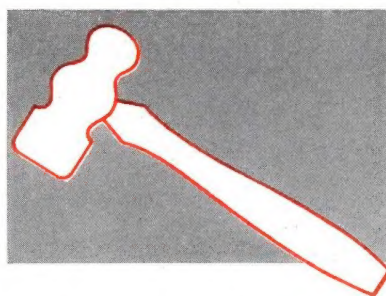
Safety is completely dependent upon the following combination:

ACCURATE BLOWS



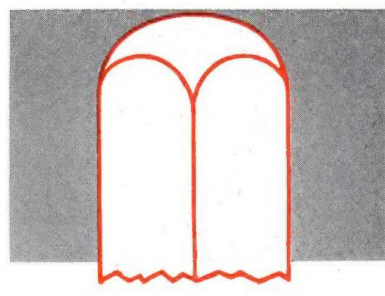
An all important factor which cannot be over-emphasized. Here's where "off-center" or other "off-angle" blows create the danger zone for flying slivers of steel. With the human element involved, continual perfect blows are next to impossible. Therefore, this factor must be compensated for by the safety features of the stamp and hammer. **NO ONE FACTOR IS RESPONSIBLE FOR SAFETY IN STAMPING.**

PROPER HAMMER



The hammer should be of carefully selected tough alloy steel, heat-treated and designed expressly for hand stamp use. The hazards of "off-center" and "off-angle" blows are reduced to a minimum when the contour of the striking face is designed to harmlessly shed those blows. Ordinary hammers are usually not satisfactory for hand stamping. **NO ONE FACTOR IS RESPONSIBLE FOR SAFETY IN STAMPING.**

PROPER STAMP



To embody the maximum in safety, the stamp should be made from the finest tool steels, properly alloyed and tempered. The body size should be adequate for the application, and the head correctly contoured in relation to the striking face of the hammer. **NO ONE FACTOR IS RESPONSIBLE FOR SAFETY IN STAMPING.**

3 SAFETY IS DEPENDENT UPON THE CO-ORDINATION OF EACH OF THESE FACTORS.

4 WHEN THESE FACTORS ARE COMBINED IN HAND STAMPING . . . MUSHROOMING OR CHIPPING OF STAMP HEADS IS NEXT TO IMPOSSIBLE.

Matthews have adopted the trade-name "Safe-Hed"* for steel stamps. It is based on the factors outlined above. More detailed information in the following pages will be a guide in the proper selection of stamping equipment.



HEAVY DUTY "Duo-Life" STAMPS

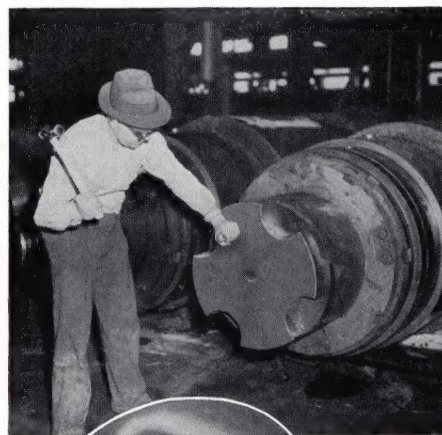
With "Safe-Hed" for Severe Industrial Stamping

STANDARD SIZES

Character Size	Shank Size
1/8"	7/16" x 3"
5/32"	1/2" x 3 1/8"
3/16"	9/16" x 3 1/4"
1/4"	5/8" x 3 1/2"
5/16"	3/4" x 3 3/4"
3/8"	7/8" x 4"
1/2"	1" x 4 1/4"
5/8"	1 1/8" x 4 1/2"
3/4"	1 1/4" x 4 3/4"
7/8"	1 1/2" x 5"
1"	

Prices on Request

Constructed to give double the life of ordinary stamps . . . these letters and figures are recommended for marking of alloy steels and similar tough marking applications. Made with oversize body and heavy supporting bevels—containing "Tuf-Face" feature for hot or cold stamping.



1

2

3

(1) Illustrates the use of heavy duty hand style stamps in marking cold rolls. (2) Eye style stamp . . . used with wood handle. (3) Fullered stamp . . . used with wire handle, shown marking "rounds" in a steel mill.

SUPER DUTY "Duo-Life" STAMPS

"Safe-Hed"—"Tuf-Face"* for Severest Steel Mill Stamping

Here is the toughest steel letter and figure stamp, constructed to give double life in marking chilled rolls, car wheels, rails, billets, ingots and similar products. Extra oversize body and extra supporting bevels, combined with Matthews "Tuf-Face" feature, are the best stamps for these recommended marking applications.

STANDARD SIZES

Character Size	Shank Size
5/16"	5/8" x 3 1/2"
3/8"	3/4" x 3 3/4"
1/2"	7/8" x 4"
5/8"	1" x 4 1/4"
3/4"	1 1/8" x 4 1/2"
7/8"	1 1/4" x 4 3/4"
1"	1 3/8" x 5"
	1 1/2" x 5"
	1 3/4" x 5"

Prices on Request

*Reg. U. S. PAT. OFF.



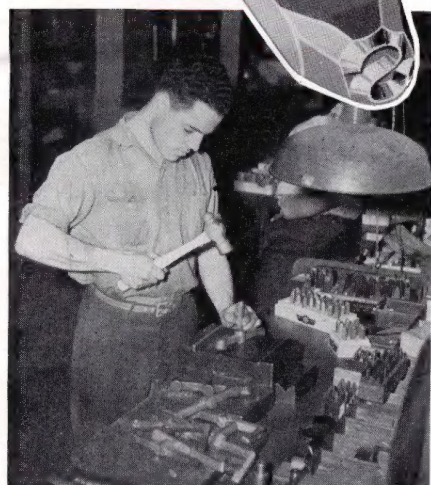


PITTSBURGH HEAVY BEVEL "Safe-Hed" STAMPS

With "Tuf-Face" for Tough General Stamping!

These letter and figure stamps can be used for 90% of all industrial stamping needs. Finest tool steel, scientifically controlled heat-treatment, heavy supporting character bevels and deep character engraving—make these stamps the safest and most economical for your marking requirements.

WHEN IN DOUBT AS TO THE RIGHT STAMP FOR YOUR MARKING—ORDER PITTSBURGH BEVEL "Safe-Hed!"



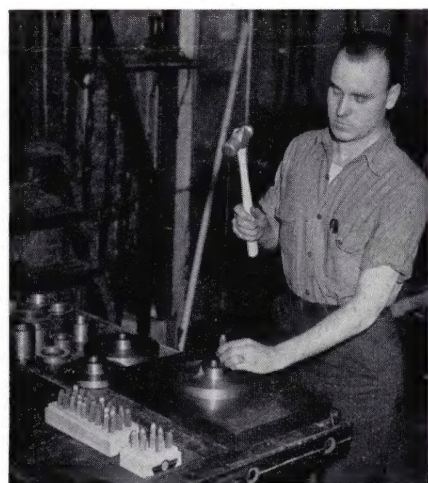
An application of tough marking—using Pittsburgh Bevel "Safe-Hed" stamps.



Bevel of Ordinary Stamps



Heavy Supporting Bevel of Matthews "Tuf-Face" Stamps



Another illustration where Pittsburgh Bevel "Safe-Hed" Stamps are most economical.

SIZES and LIST PRICES

The Following Sizes are Available from Stock—Sizes other than Shown made to Order

Char Size	Shank Size	LIST PRICES		
		Per Piece	9 pc. Figure Set	27 pc. Letter Set
1/32"	5/16" sq. x 2 1/2" lg.	84.67	6.00 7.50	18.00 22.50
3/64"	5/16" sq. x 2 1/2" lg.	70.61	5.50 6.30	16.50 18.90
1/16"	5/16" sq. x 2 1/2" lg.	61.50	4.50 5.50	13.50 16.50
3/64"	5/16" sq. x 2 1/2" lg.	61.50	4.50 5.50	13.50 16.50
1/32"	5/16" sq. x 2 1/2" lg.	56.50	4.50 5.00	13.50 15.00
3/64"	5/16" sq. x 2 1/2" lg.	56.50	4.50 5.00	13.50 15.00
1/8"	5/16" sq. x 2 1/2" lg.	56.50	4.50 5.00	13.50 15.00
3/64"	5/16" sq. x 2 3/4" lg.	.67	6.00	18.00
1/8"	5/16" sq. x 2 3/4" lg.	.72	6.50	19.50
3/64"	5/16" sq. x 3" lg.	84.83	7.50 7.50	22.50
1/4"	5/16" sq. x 3 1/8" lg.	95.94	8.50	25.50
3/8"	5/16" sq. x 3 1/4" lg.	1.11	10.00	30.00
1/2"	5/16" sq. x 3 3/4" lg.	1.89	17.00 15.00	51.00 45.00

WRITE FOR DISCOUNTS

FURNISHED IN WOOD BOXES



No. of stamps of one size

Discount

1 - - - - -	-Net
2-3 - - - - -	-5%
4-5 - - - - -	-10%
6-10 - - - - -	-15%
11-24 - - - - -	-20%
25-49 - - - - -	-25%
50-99 - - - - -	-30%
100 or more - - - - -	-33 1/3%

each set of stamps contain 9 or 9. Letter stamps, together

Stamps



LIGHT BEVEL "Tuf-Hed" STAMPS

For Light Duty Marking Requirements

Recommended for medium and light duty stamping, such as marking name plates, soft metals, wood, fibre and plastics or where infrequent use does not warrant Pittsburgh Heavy Bevel "Safe-Hed" Stamps. Made of quality tool steel . . . the stamina and excellence of performance of these stamps will meet all medium and light duty stamping needs.

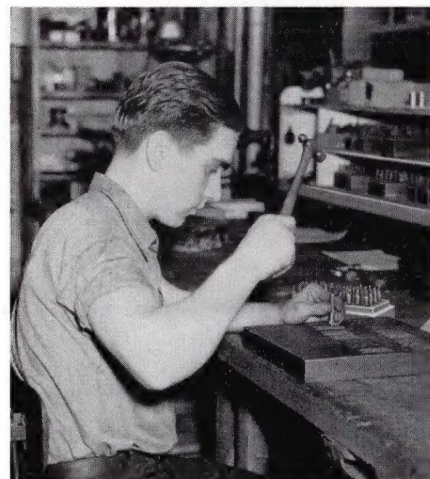


Illustration of "Tuf-Hed" stamps being used in marking name plates.

SIZES AND PRICES

Char Size	Shank Size	LIST PRICES		
		Per Piece	9 pc. Figure Set	27 pc. Letter Set
$\frac{3}{32}$ "	$\frac{1}{4}$ " sq. x $2\frac{1}{4}$ " lg.	\$.39	\$3.50	\$10.50
$\frac{1}{8}$ "	$\frac{1}{4}$ " sq. x $2\frac{1}{4}$ " lg.	.39	3.50	10.50
$\frac{3}{16}$ "	$\frac{5}{16}$ " sq. x $2\frac{1}{2}$ " lg.	.50	4.50	13.50
$\frac{1}{4}$ "	$\frac{3}{8}$ " sq. x $2\frac{3}{4}$ " lg.	.61	5.50	16.50
$\frac{5}{16}$ "	$\frac{7}{16}$ " sq. x 3" lg.	.72	6.50	19.50
$\frac{3}{8}$ "	$\frac{1}{2}$ " sq. x $3\frac{1}{8}$ " lg.	.89	8.00	24.00

WRITE FOR DISCOUNTS

MOLD STAMPS

Used for Marking . . .

- DIE SINKING MOLDS
- RUBBER MOLDS
- PLASTIC MOLDS
- FORMING DIES
- TIRE MOLDS
- GLASSWARE MOLDS

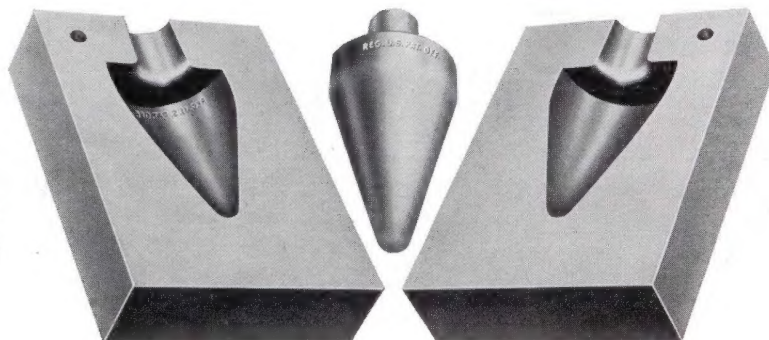
Mold letter and figure stamps differ from usual stamps in that the characters are cut "right" on the face. This gives the impression "reverse" in the mold. The molded product leaves the mold with the mark reading "right" and in slight relief. Available in either "Duo-Life" or Pittsburgh Bevel "Safe-Hed" Stamps. Furnished in wood boxes.



Mold stamps are supplied with sharp or flat face.

The Marked Mold

Illustration at right shows mold marked in "reverse" with Mold Stamps. Trade-mark, symbol or special lettering stamps are also made for this type of marking.



The Marked Product

Illustration center shows molded product, with raised letters reading "right" on face. For quotation on trade-mark or special lettering stamps, send us a sketch of the mark and a sample product if possible.



Things to be remembered!

WHEN ORDERING STEEL STAMPS

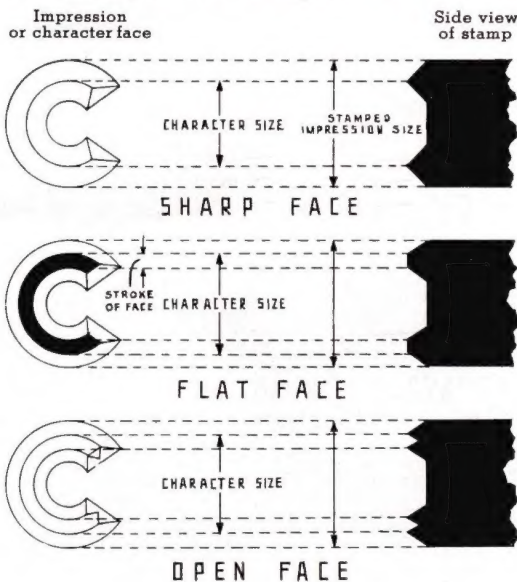
USE THIS CHART for CORRECT SIZE

1"	7/8"	3/4"	5/8"	1/2"	7/16"	3/8"	5/16"
1/4"	3/16"	5/32"	1/8"	3/32"	1/12"	1/16"	1/32"
M	M	M	M	M	M	M	M

Because the natural tendency is to order stamps larger than needed, this handy size chart is printed for your convenience as a guide for correct size when ordering stamps. For other characters and face styles see chart on page 15.

Standard Methods of Determining Character Size

Correct character size can be easily specified by using the following standardized guide. When re-ordering stamps, if in doubt as to size, send us an impression for identification.



Difference Between Fullered—Eye with and eye across Lettering



Fullered—for use with twisted wire handle



Eye across Lettering

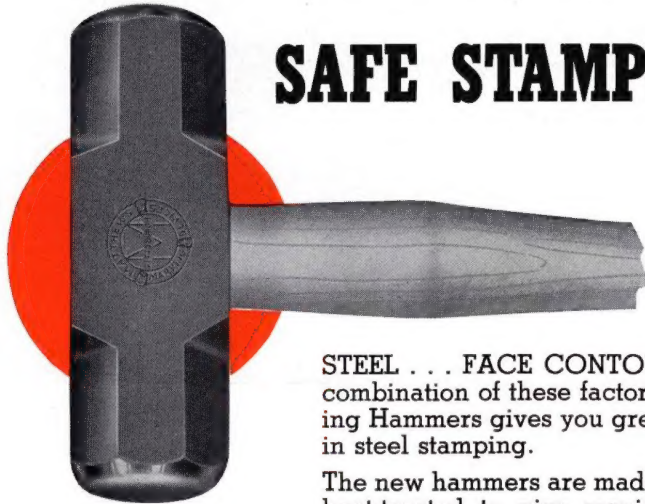


Eye with Lettering

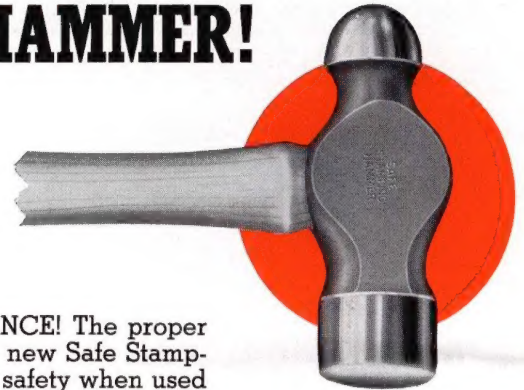
Eye style stamps for use with wood handles



Here's the New... **MATTHEWS** **SAFE STAMPING HAMMER!**



SLEDGE TYPE
(Made to Order)
In any size desired



SINGLE FACE
(Machinist Style)
Carried in Stock
1 1/2 lbs. 1 3/4 lbs.
2 lbs. 2 1/2 lbs.

STEEL . . . FACE CONTOUR . . . BALANCE! The proper combination of these factors in Matthews new Safe Stamping Hammers gives you greatest possible safety when used in steel stamping.

The new hammers are made of special alloy steel, properly heat-treated to give maximum toughness at the proper hardness with relation to the head of the stamp. Face contour is properly shaped to harmlessly glance off the stamp when "off-center" or "off-angle" blows are struck. Well balanced regardless of size . . . good solid blows are easily obtained. Send trial order today.

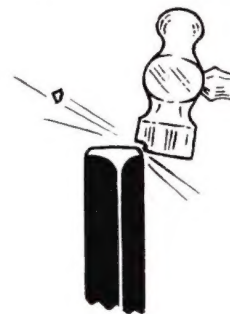
Minimizes this . . .



CHIPPING OF HEAD

Illustration shows how flat headed stamps chip when struck "off-angle" blows. When used with domed head stamps, the new hammer harmlessly glances off the stamp, minimizing this hazard of flying pieces of steel.

and this . . .



CHIPPING OF HAMMER

This shows how machinist hammers sometimes chip when used with flat headed stamps. Here again, when used with stamps with properly shaped heads, the new Safe Stamping Hammer minimizes this safety hazard.

and this . . .



MUSHROOMING

This illustrates how flat headed stamps mushroom, endangering the lives of workmen.

When used with "Safe-Hed" stamps, the new hammer minimizes this because its special alloy steel is heat-treated to give maximum toughness at the proper hardness with relation to the head of the stamp.

Here's How "Safe-Hed" Stamp Looks After 5,000 Blows with New Hammer!



Five thousand hard blows with the new hammer have had very little effect on the "Safe-Hed" stamp shown in this un-retouched photograph. This stamp can be struck many more thousands of blows with this hammer without danger of chipping or mushrooming the head.



STAMPS *for* SYMBOL MARKING

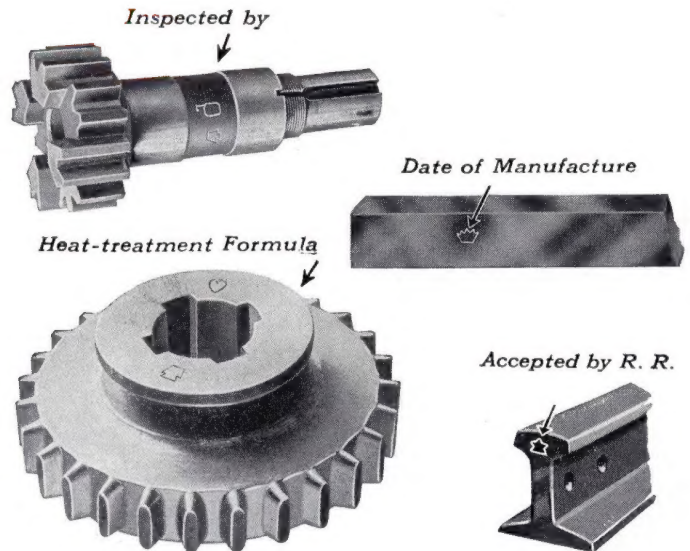
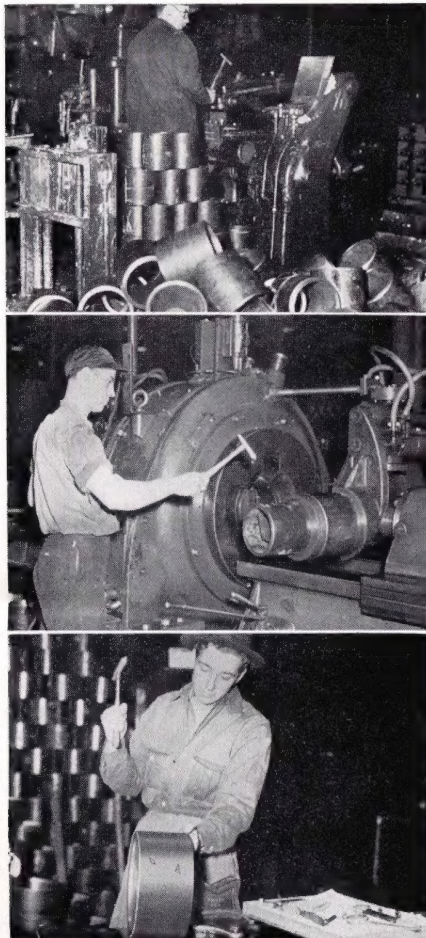


"Confidential Marks for Manufacturers"

SYMBOLS INDICATE . . .

- RESPONSIBILITY
- INSPECTION
- CODING
- DATING
- ANALYSIS OF YOUR PRODUCT

A TYPICAL EXAMPLE OF SYMBOL MARKING



Here is a complete story of inspection marking of steel couplings by code symbols. Each symbol identifies the man who passed inspection for, (1) Cutting, (2) Boring and (3) Threading of coupling. Symbols can also be adopted for marking your products with various coding.

STYLE "RR-1" HAMMER

Used for Fast Inspection Marking!

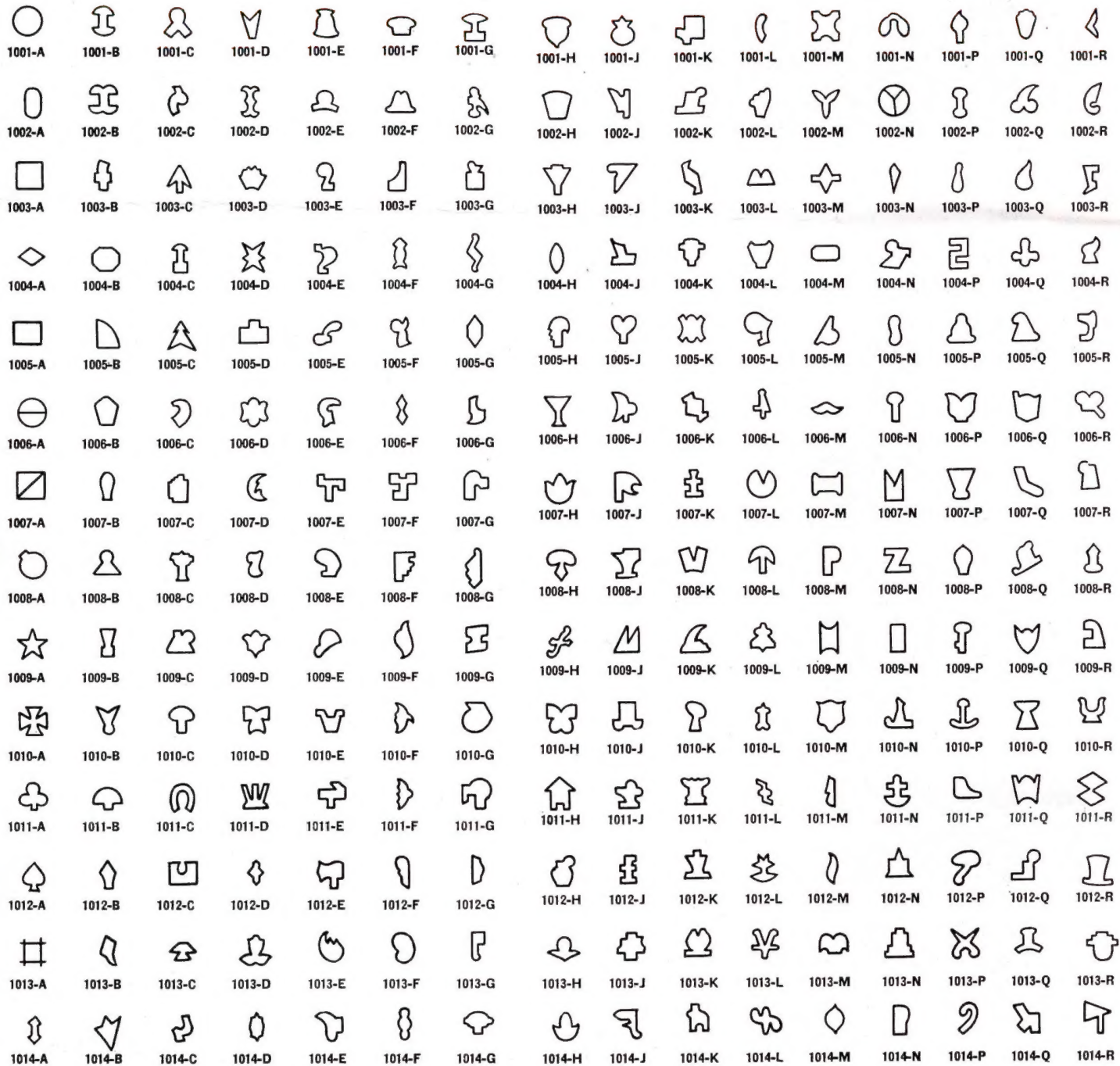


Symbols engraved in steel type are used in this new inspector's hammer. Type is held by a rubber retaining ring and is quickly changed by loosening knurled segment.



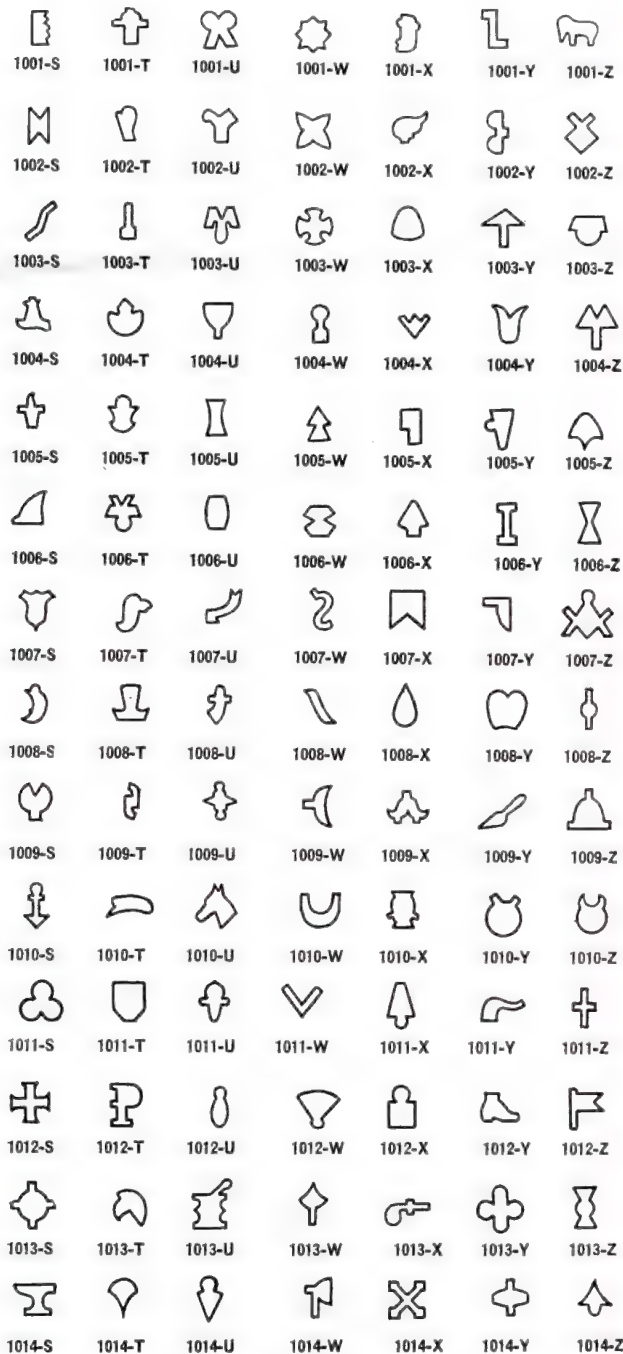
Hundreds of Symbols to Choose From!

SPECIAL SYMBOLS OTHER THAN SHOWN . . . MADE TO ORDER

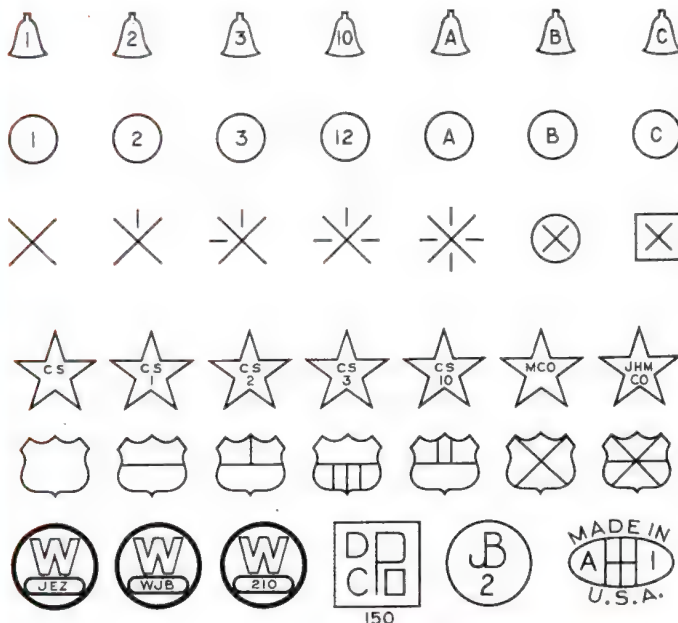




In addition to the many symbols shown, we have hundreds more from which you may choose. When ordering, please specify symbols wanted by numbers and letters under them. We can duplicate any desired private symbol or design. Send illustration for us to follow.



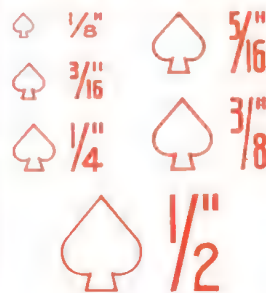
Examples of How Private Marks Can Be Used for Symbol Marking



USE THIS HANDY SIZE CHART for Ordering Symbols

Symbols are made any desired size. Usual standard sizes are $\frac{1}{8}$ ", $\frac{3}{16}$ " and $\frac{1}{4}$ ". Prices are based on quantity needed.

SIZE CHART



SIZES AND PRICES

Symbol Size	Shank Size	List Price Per Stamp
$\frac{1}{8}$ "	$\frac{3}{16}$ " sq. x $2\frac{1}{2}$ " lg.	\$1.30
$\frac{3}{16}$ "	$\frac{3}{8}$ " sq. x $2\frac{3}{4}$ " lg.	1.55
$\frac{1}{4}$ "	$\frac{1}{2}$ " sq. x 3" lg.	1.75
$\frac{5}{16}$ "	$\frac{1}{2}$ " sq. x $3\frac{1}{8}$ " lg.	2.00
$\frac{3}{8}$ "	$\frac{5}{16}$ " sq. x $3\frac{1}{4}$ " lg.	2.40
$\frac{1}{2}$ "	$\frac{3}{4}$ " sq. x $3\frac{3}{4}$ " lg.	3.20

WRITE FOR DISCOUNTS



REGISTERED TRADE-MARKS ACCURATELY DUPLICATED!

To Conform to Rigid Trade-Mark Laws



Rights to well known trade-marks have been lost at a cost of thousands of dollars to their owners, because they were not accurately duplicated when used with their products.

Shown are various trade-marks that we have accurately duplicated in steel stamps. The stamps at the right show how trade-marks can be reproduced with exactness in different sizes for marking various products.



New Low Stress Stamps

with Patented Dot Design Characters

Recommended for marking products placed under torsional or tensile stresses. Actual tests of the bars shown, proved that the one marked with the dot design character withstood 50% to 100% more stress than that marked with the straight line character. Also used where heat-treat strains tend to break product at point of marking, such as bearings, drills, reamers, etc. More detailed information on request.

ACTUAL TEST
BARS



EYE STYLE STAMPS

for Use with Wood or Metal Handles

These stamps are made with "Safe-Hed"—"Tuf-Face" features to give maximum toughness to the head and added life to the face. Special oversize alloy steel gives tremendous reserve strength.



Style No. 1
EYE "ACROSS" LETTERING

Style No. 2
EYE "WITH" LETTERING

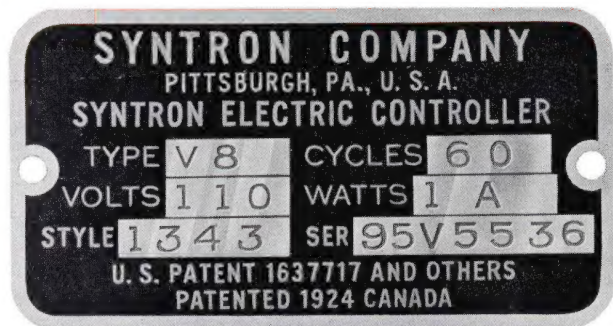


STEEL HAND STAMPS

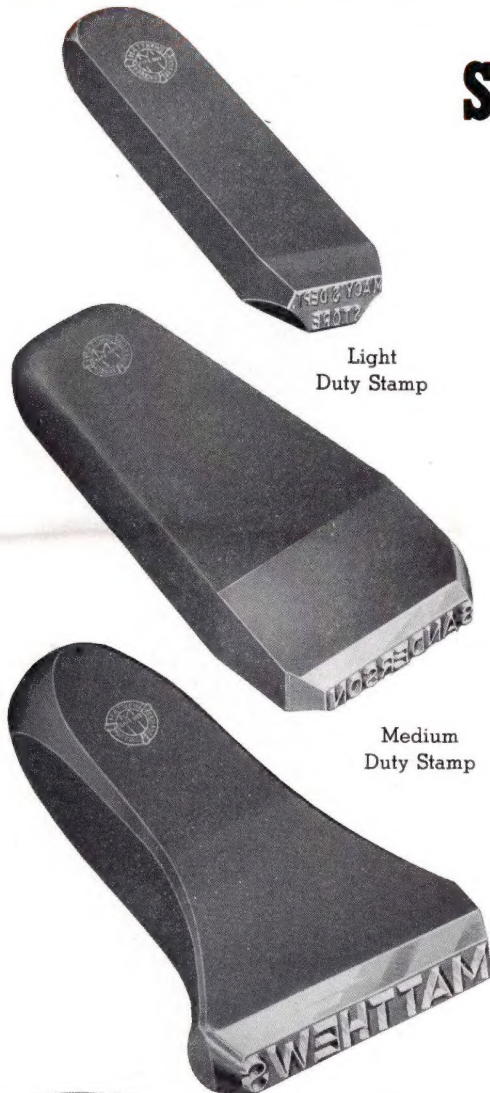
For Use in Marking Any Product

Matthews hand stamps are used throughout the country for stamping trade-marks . . . names . . . patent numbers and other important data on all types of products, from heavy steel billets to the finest jewelry and cutlery. For ordering, see size chart on page 15.

"Safe-Hed" — "Tuf-Face"



Light Duty Straight Line Marking of Name Plates



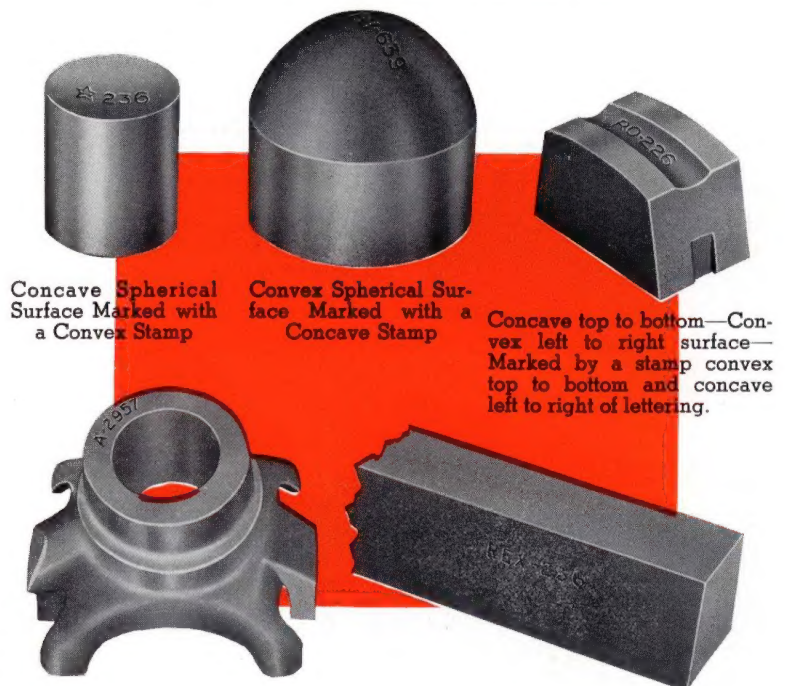
Light
Duty Stamp

Medium
Duty Stamp

Heavy Duty
Forged Stamp



Heavy Duty Fullered Forging Stamp
Used with Wire Handle



Concave Spherical
Surface Marked with
a Convex Stamp

Convex Spherical Sur-
face Marked with a
Concave Stamp

Concave top to bottom—Con-
vex left to right surface—
Marked by a stamp convex
top to bottom and concave
left to right of lettering.



Flat Surface
Marked with a curved stamp



Flat Surface
Marked with a Straight Line Stamp

WOOD MARKING

For wood marking, stamps are supplied with flat face characters for marking end grain . . . or extra deep sharp face for marking side grain.



Typical example of fast gang stamping on flat products (steel plate).

Speed!
Safety!
Economy!



Fast . . . safe stamping on round products, such as A P I pipe marking illustrated.

With MATTHEWS STEEL STAMP HOLDERS

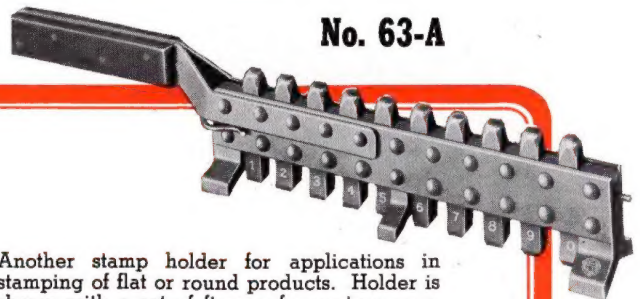
Matthews all steel stamp holders eliminate the danger of stamps flying from workman's hand when struck by hammer. Several characters are marked in rapid succession . . . eliminating "picking up and laying down" stamps. Stamps cannot fall out . . . preventing loss or misplacement of stamps when not in use. Holders are made to fit your marking needs.

No. 63 Stamp Holder

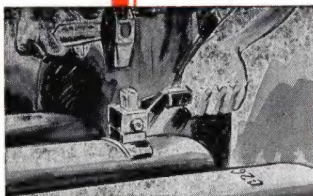


New! Solid one piece all steel stamp holder. Built for long service in stamping of specifications, trade-marks, grade, weight, length or other important data on flat or round objects. Every character marked is deep, legible and in perfect alignment.

No. 63-A

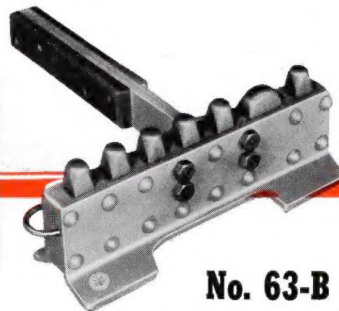


Another stamp holder for applications in stamping of flat or round products. Holder is shown with a set of figures for various combinations of numbers. Supplied with letters, figures or trade mark stamps. Visibility of stamp faces makes location of mark easy.



No. 71

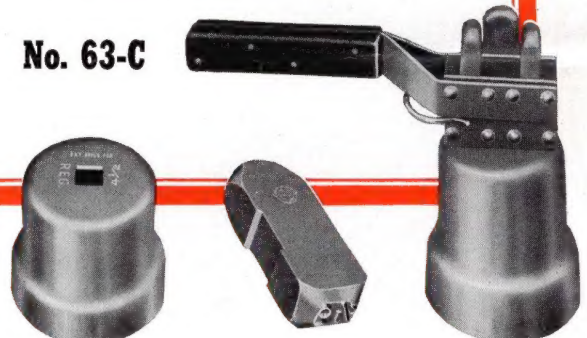
Used for marking periphery of rounds with concave engraved stamps.



No. 63-B

This holder is the same as the No. 63, except that the handle is located for special applications.

No. 63-C



This illustrates how holders can be made for special applications. Shown is the marked coupling and "Safe-Hed" stamp for use with holders.

A HANDY CHARACTER SIZE CHART!

... That takes the guesswork out of Steel Stamp Ordering

Use this chart for determining height, width and spacing of characters engraved on steel stamps . . . roller, stamping and embossing dies.

SIZE	EXTENDED	STANDARD	MEDIUM CONDENSED	CONDENSED
1/32	ABCDEF GIM1234567890	ABCDEF GIM1234567890	ABCDEF GIM1234567890	ABCDEF GIM1234567890
3/64	ABCDEF GIM1234567890	ABCDEF GIM1234567890	ABCDEF GIM1234567890	ABCDEF GIM1234567890
1/16	ABCDEF GIM1234567890	ABCDEF GIM1234567890	ABCDEF GIM1234567890	ABCDEF GIM1234567890
5/64	ABCDEF GIM234567890	ABCDEF GIM234567890	ABCDEF GIM234567890	ABCDEF GIM234567890
3/32	ABCDEF GIM92345670	ABCDEF GIM92345670	ABCDEF GIM92345670	ABCDEF GIM92345670
1/8	ABCDEF GIM56890	ABCDEF GIM56890	ABCDEF GIM56789	ABCDEF GIM56789
5/32	ABCDEF GIM234	ABCDEF GIM234	ABCDEF GIM234	ABCDEF GIM234
3/16	ABCDEF IM23	ABCDEF IM23	ABCDEF IM23	ABCDEF IM23
1/4	ABCEIM2	ABCEIM2	ABCEIM2	ABCEIM2
5/16	ABCIM4	ABCIM4	AB1IM4	ABCIM4
3/8	ACIM5	ACIM5	ACIM5	ACIM5
1/2	AIM6	AIM6	AIM6	AIM6

SPECIMEN LETTER STYLES

Sharp Face	GOTHIC	ROMAN	Script	ITALIC
Flat Face	GOTHIC	ROMAN	Script	ITALIC
Open Face	GOTHIC	ROMAN	Script	ITALIC

Determine marking space available and select height and width of characters to fit your need. Allow width of a full character for spacing between words or initials. Periods and commas take half the space of a normal character.

All letters and figures are of equal character width except the letters M and W, which take 1 1/2 times the space of a normal character, I and L take 1/2 the space of a normal character.

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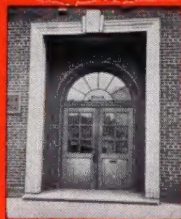
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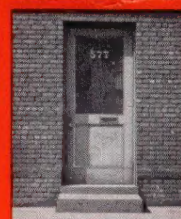
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